

FIG. 1

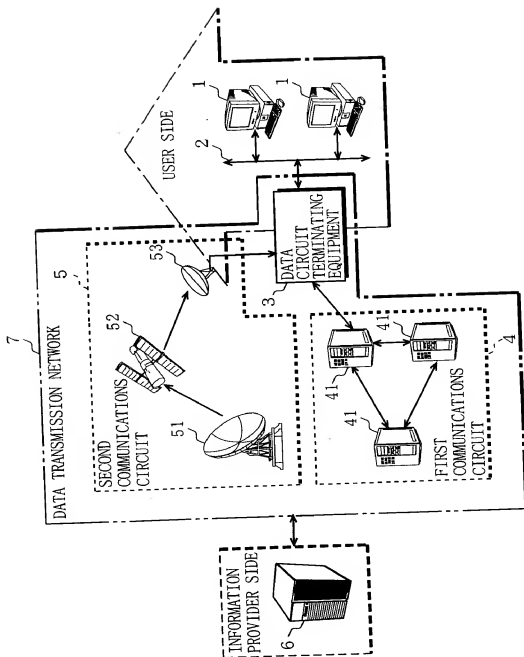


FIG. 2

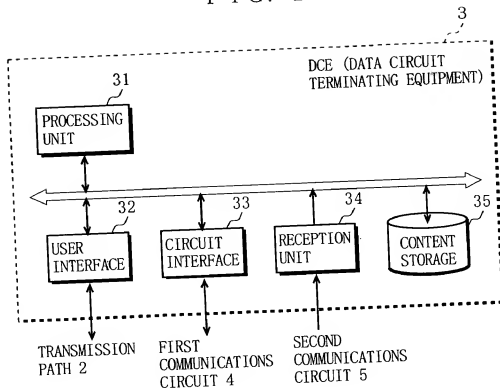


FIG. 3

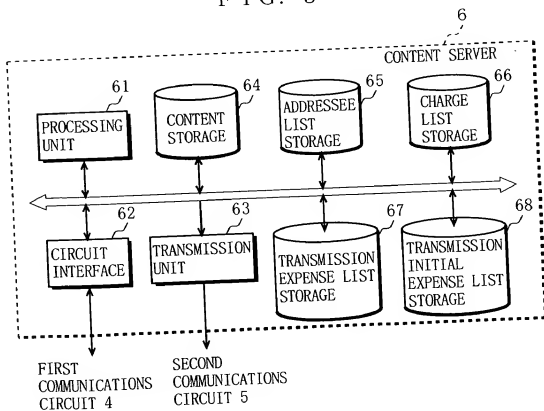


FIG. 4

64

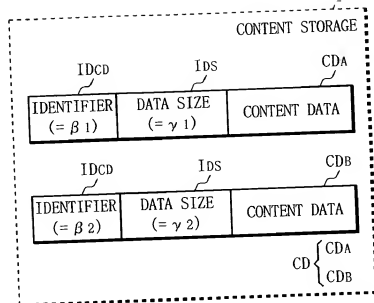


FIG. 5

65

ADDRESSEE LIST STORAGE

LDIST

ADDRESSEE LIST					COMMUNICATIONS	
DL CONDITION NUMBER NOL	IDENTIFIER IDCD	TIME LIMIT LT	TRANSMISSION EXPENSE TC	IDENTIFIER IDUSER	FCIR	CIRCUIT FLAG
1	$\beta$ 1	FEBRUARY 17 18:00	¥450	$\alpha$ 2- $\alpha$ 500 (499 IDENTIFIERS IDUSER IN TOTAL)		
2	$\beta$ 1	FEBRUARY 16 20:00	¥480	$\alpha$ 6 • •		
3	$\beta$ 1	FEBRUARY 14 19:00	¥530	$\alpha$ 10 • •		

UR11

UR12

UR13

UR11

UR12

UR13

FIG. 6

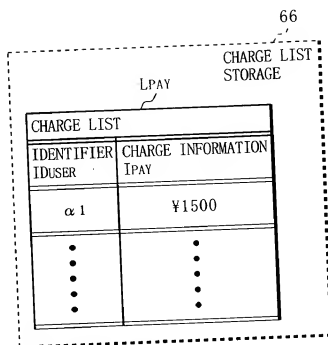


FIG. 7

67

TRANSMISSION EXPENSE LIST STORAGE	
LTC	
TRANSMISSION EXPENSE LIST	
THE NUMBER OF USERS NUSER	TRANSMISSION EXPENSE TC
$500 \leq \text{NUSER5}$	$\text{TC5} = (\text{¥}400)$
$100 \leq \text{NUSER4} < 500$	$\text{TC4} = (\text{¥}450)$
$50 \leq \text{NUSER3} < 100$	$\text{TC3} = (\text{¥}480)$
$20 \leq \text{NUSER2} < 50$	$\text{TC2} = (\text{¥}530)$
$\text{NUSER1} < 20$	$\text{TC1} = (\text{¥}550)$

FIG. 8

68

TRANSMISSION INITIAL EXPENSE LIST STORAGE	
LTC	
TRANSMISSION INITIAL EXPENSE LIST	
TIME MARGIN TM	TRANSMISSION INITIAL EXPENSE ITC
$168 \leq \text{TM5}$	$\text{ITC5} = (\text{¥}400)$
$72 \leq \text{TM4} < 168$	$\text{ITC4} = (\text{¥}450)$
$24 \leq \text{TM3} < 72$	$\text{ITC3} = (\text{¥}480)$
$12 \leq \text{TM2} < 24$	$\text{ITC2} = (\text{¥}530)$
$\text{TM1} < 12$	$\text{ITC1} = (\text{¥}550)$

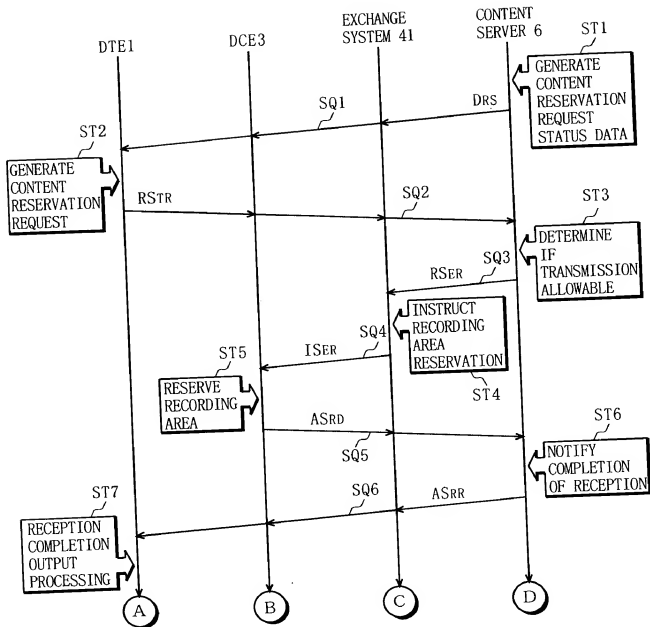
$$\frac{\partial}{\partial t} \left( \frac{\partial \mathcal{L}}{\partial \dot{\mathbf{q}}} \right) = \frac{\partial \mathcal{L}}{\partial \mathbf{q}} \quad (1)$$


FIG. 10

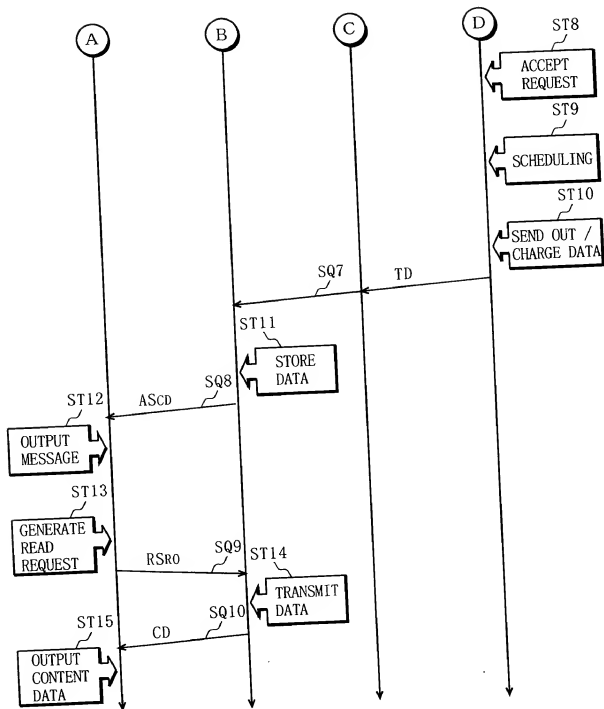




FIG. 11

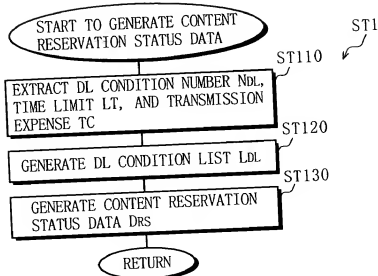


FIG. 12

DL CONDITION NUMBER NdL	TIME LIMIT LT	TRANSMISSION EXPENSE TC
<u>1</u>	FEBRUARY 17 18:00	¥450
<u>2</u>	FEBRUARY 16 20:00	¥480
<u>3</u>	FEBRUARY 14 19:00	¥530

LDL1

LDL2

LDL3

LDL { LDL1, LDL2, LDL3 }

⊙ CONTENT DATA CDa

⊙ CONTENT DATA CDb

TIME LIMIT LT

FIG. 13 a

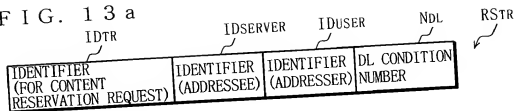


FIG. 13 b

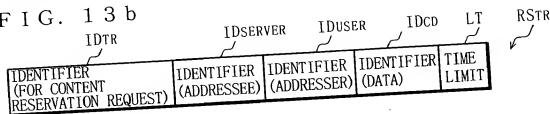


FIG. 13 c

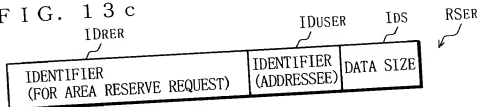


FIG. 13 d

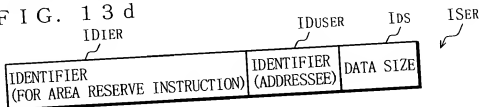


FIG. 13 e

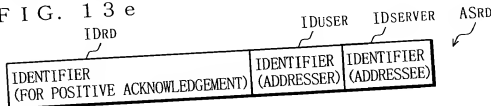


FIG. 13 f

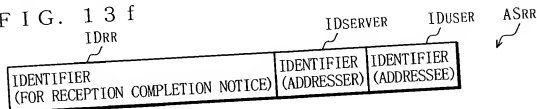


FIG. 13 g

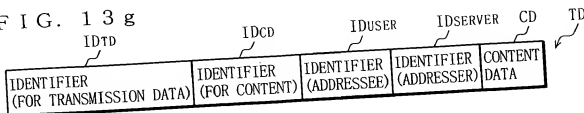


FIG. 14

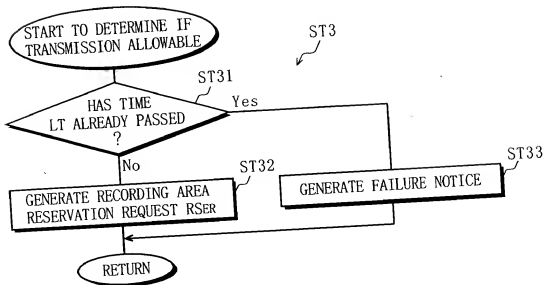


FIG. 15

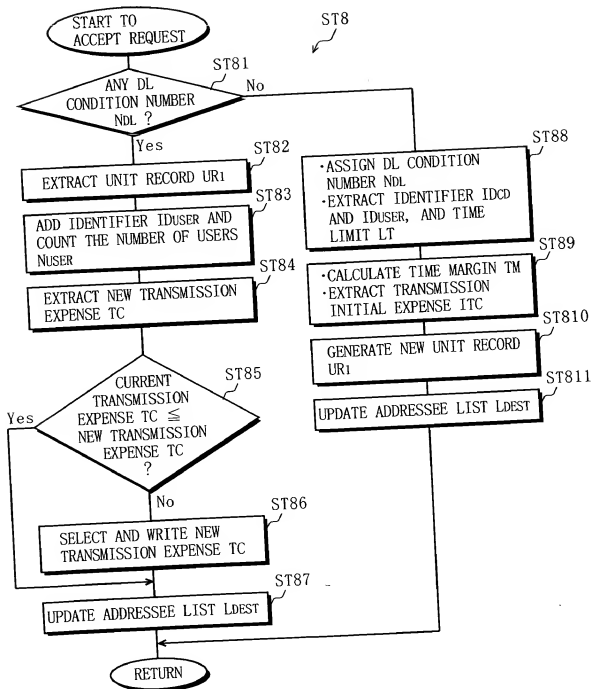


FIG. 16 a

UR11

DL CONDITION NUMBER NDL	IDENTIFIER IDCD	TIME LIMIT LT	TRANSMISSION EXPENSE TC	IDENTIFIER IDUSER	COMMUNICATIONS CIRCUIT FLAG FCIR
1	$\beta 1$	FEBRUARY 17 18:00	¥450	$\alpha 2 - \alpha 500$ 499 IDENTIFIERS IDUSER IN TOTAL	

FIG. 16 b

UR11

DL CONDITION NUMBER NDL	IDENTIFIER IDCD	TIME LIMIT LT	TRANSMISSION EXPENSE TC	IDENTIFIER IDUSER	COMMUNICATIONS CIRCUIT FLAG FCIR
1	$\beta 1$	FEBRUARY 17 18:00	¥400	$\alpha 1 - \alpha 500$ 500 IDENTIFIERS IDUSER IN TOTAL	

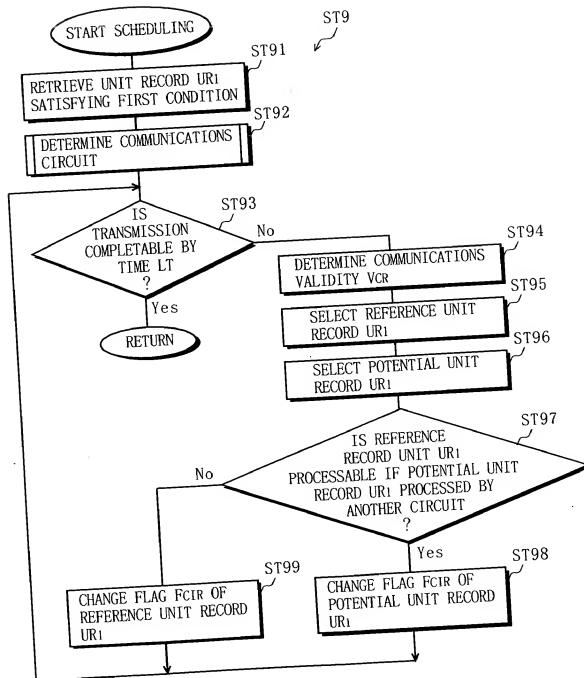
FIG. 16 c

UR14

DL CONDITION NUMBER NDL	IDENTIFIER IDCD	TIME LIMIT LT	TRANSMISSION EXPENSE TC	IDENTIFIER IDUSER	COMMUNICATIONS CIRCUIT FLAG FCIR
4	$\beta 1$	FEBRUARY 15 20:00	¥480	$\alpha 1$	

00704153-001301

FIG. 17



09701153.004204

FIG. 18

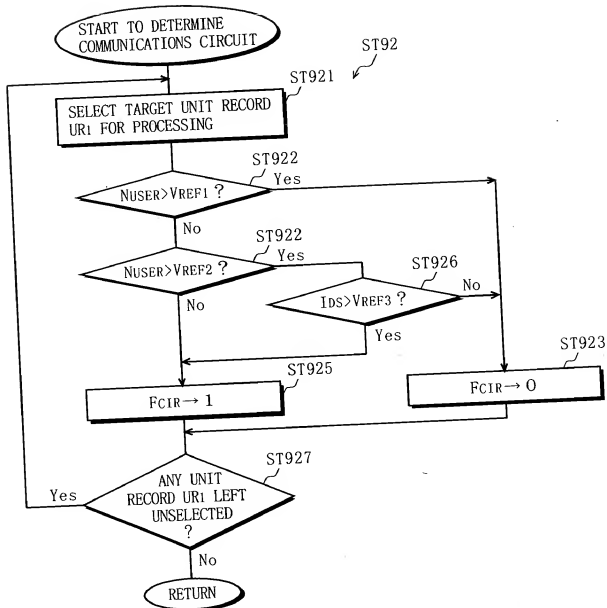


FIG. 19 a

UR11

DL CONDITION NUMBER NDL	IDENTIFIER IDCD	TIME LIMIT LT	TRANSMISSION EXPENSE TC	IDENTIFIER IDUSER	COMMUNICATIONS CIRCUIT FLAG FCIR
1	$\beta 1$	FEBRUARY 17 18:00	¥400	$\alpha 1 - \alpha 500$ (500 IDENTIFIERS IDUSER IN TOTAL)	0

FIG. 19 b

UR12

DL CONDITION NUMBER NDL	IDENTIFIER IDCD	TIME LIMIT LT	TRANSMISSION EXPENSE TC	IDENTIFIER IDUSER	COMMUNICATIONS CIRCUIT FLAG FCIR
2	$\beta 1$	FEBRUARY 16 20:00	¥480	$\alpha 6$ • •	1

0976453:024204



FIG. 20 a

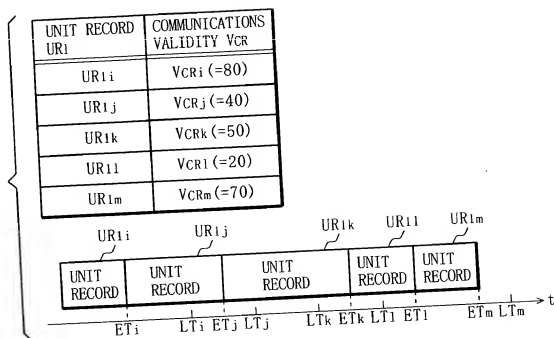


FIG. 20 b

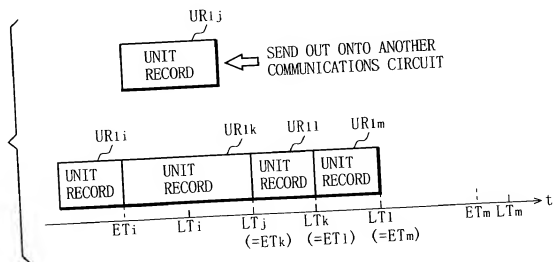


FIG. 21

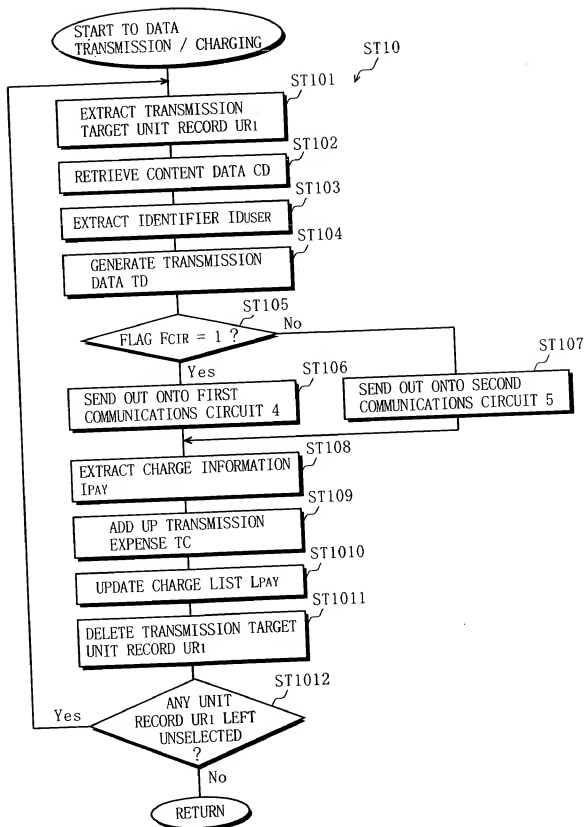


FIG. 22

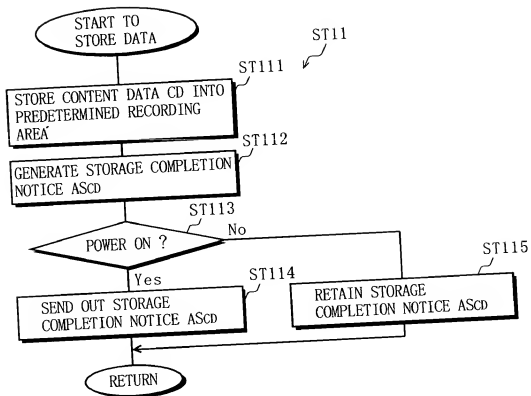


FIG. 23 a

64

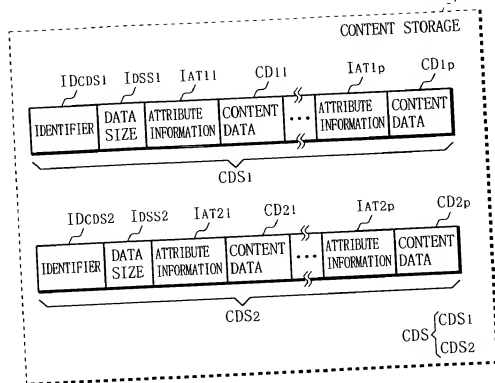


FIG. 23 b

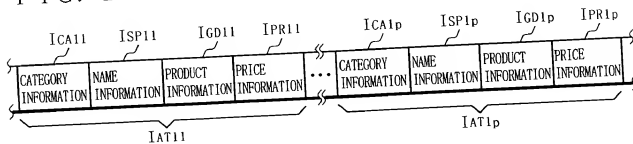


FIG. 23 c

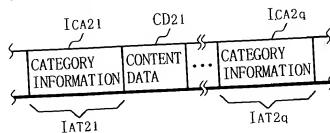


FIG. 24

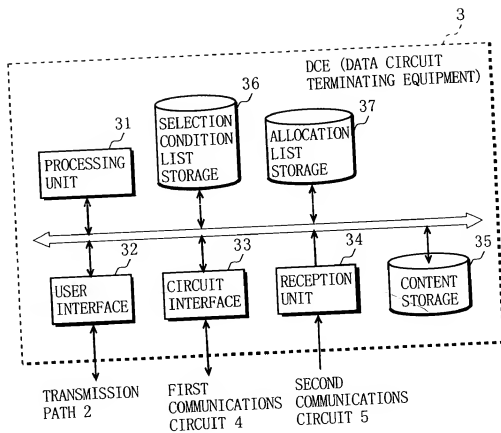


FIG. 25

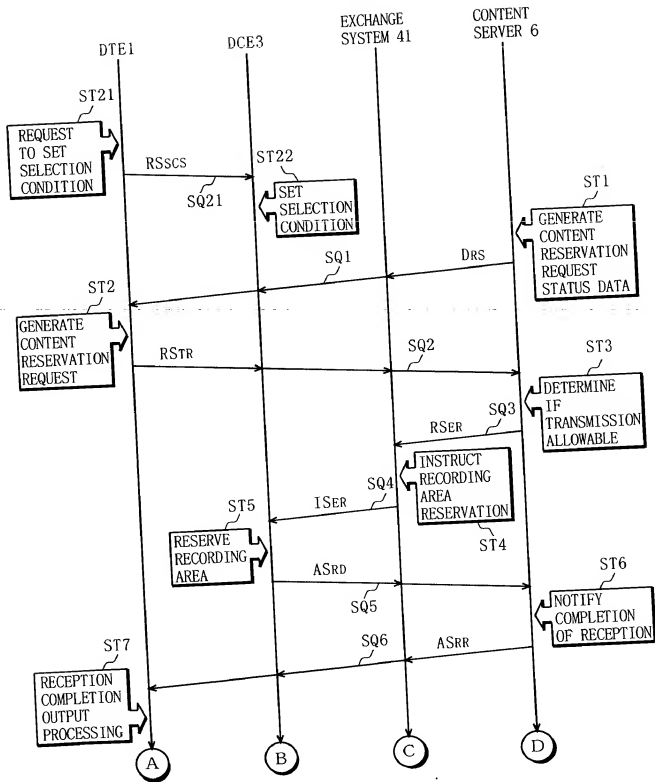


FIG. 26

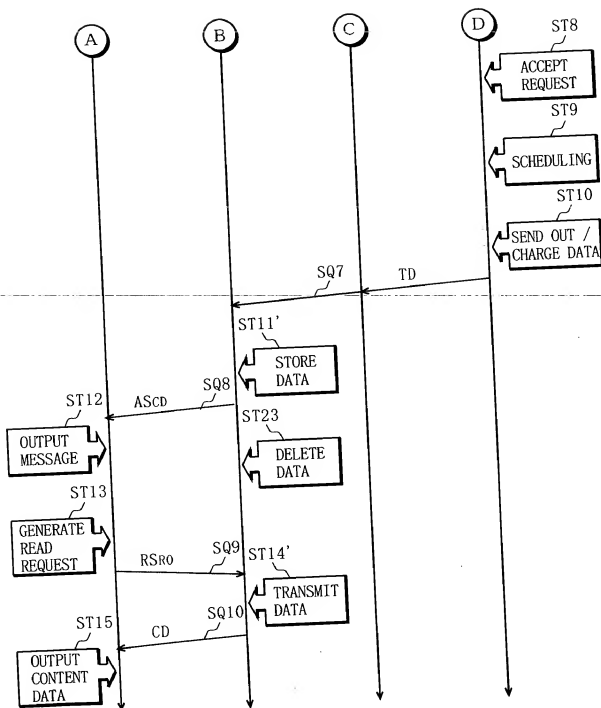


FIG. 27 a

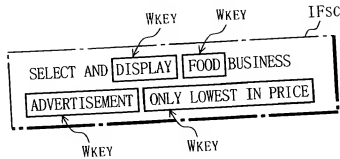


FIG. 27 b

36

SELECTION CONDITION LIST-  
LIST-STORAGE

LSC

SELECTION CONDITION LIST	
SELECTION CONDITION NUMBER Nsc	SELECTION CONDITION SC
SELECTION CONDITION No. 1	SELECT FOOD BUSINESS ADVERTISEMENT ONLY LOWEST IN PRICE
SELECTION CONDITION No. 2	NOT SELECT REAL-ESTATE BUSINESS ADVERTISEMENT
SELECTION CONDITION No. 3	SELECT ALL ELECTRIC APPLIANCES ADVERTISEMENT
SELECTION CONDITION No. 4	NOT SELECT ENTERTAINMENT NEWS
SELECTION CONDITION No. 5	SELECT ALL NEWS, ENTERTAINMENT EXCLUSIVE

00704153-004304



FIG. 28

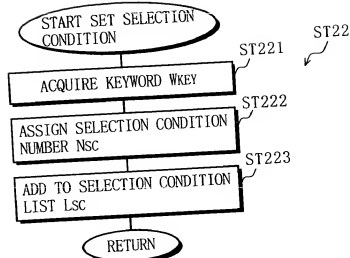


FIG. 29

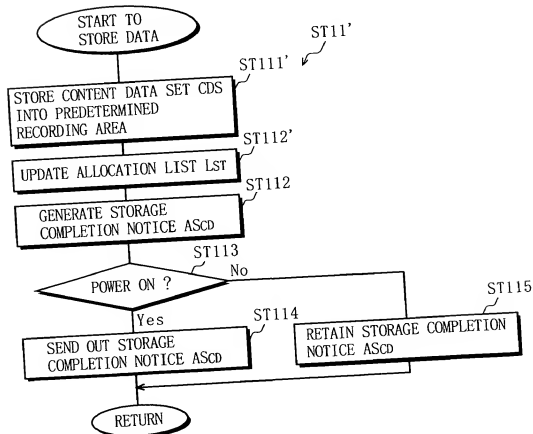


FIG. 30

37

LST

ALLOCATION  
LIST STORAGE

IDENTIFIER IDcds	ADDRESS INFORMATION Iadd	DATE AND TIME INFORMATION IDt	AVAILABLE RECORDING CAPACITY CREC

FIG. 31

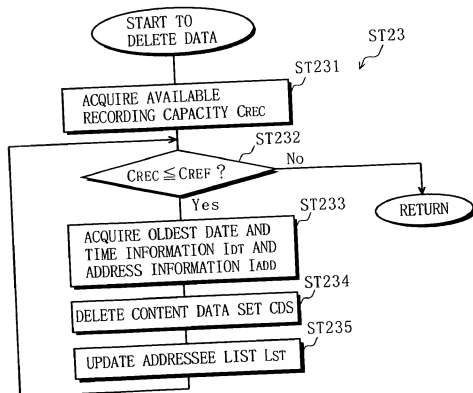
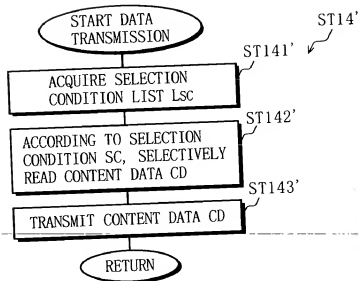


FIG. 32



100-22-0118/20

FIG. 33

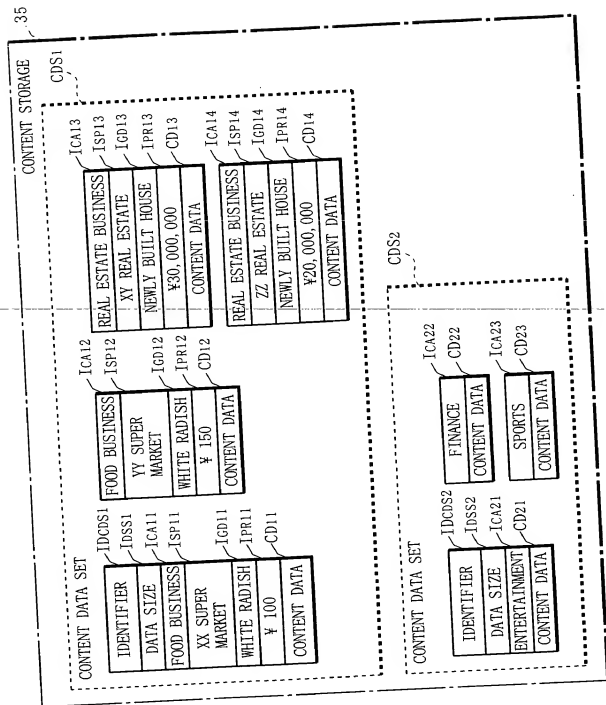


FIG. 34

